
Appendix E: Upgrading databases

To upgrade Release 1 sites to Release 2/I, you need to integrate customized data with the Release 2 environment. This involves three procedures:

- 1 converting Release 1 applications
- 2 porting Release 1 user functions
- 3 converting Release 1 databases

Converting Release 1 applications

To load and run Release 1 applications on the Release 2/I system, you must first convert the applications.

The following details the procedure to convert the Release 1 application `<app_name>`.

Procedure E-1

Converting Release 1 applications

- 1 Using ftp, transfer the file in binary form from the Release 1 directory `/user/ivr/gen/apps` to the Release 2 directory `/u/ivr/apps`.
- 2 Convert the application using the conversion utility

```
$ cd /u/ivr/exe
$ ./appconvert ../apps/<app_name>.vpf
```

This completes the application conversion. Prior to being able to load and run the application, you may have to convert user functions and databases.

Porting Release 1 User Functions

User functions created on the Release 1 system will need to be recompiled for use in the SCO environment. In addition, the user function template `usr.c` has been enhanced for Release 2. As a result, code incorporated into your Release 1 user function `c file` will need to be copied into the new template.

Further, porting of your Release 1 code may involve minor design changes to observe differences in the Motorola and SCO libraries. Finally, your user function may be compiled in the same fashion as on the Release 1 system:

```
> make -e -f usr.make NAME=<name>
```

Converting the Release 1 Database

This procedure consists of exporting the database records on the Release 1 system, and importing them on the Release 2 system.

Procedure E-2 Converting Release 1 databases

- 1 On the Release 1 system, select the database from the database editor and open that database.
- 2 Export records from the Release 1 database into a file <file_name> using the "export" menu item. This file will be created in the /user/ivr/gen/exe directory.
- 3 Transfer the file <file_name> as 'ascii' from the Release 1 system to the Release 2 system by performing a File Transfer Protocol (FTP). The file should be put in the /u/ivr/sys_files directory.
- 4 Change permissions, group, owner of the file on the Release 2 system:

```
chmod 777 <file_name>
chown ivr <file_name>
chgrp mivr1 <file_name>
```
- 5 On the Release 2 system, create a suitable named database using the database editor.
- 6 Select import, and specify the <file name> and INTERNAL format to import the records.

Note: No data appears immediately in the database, this is normal.
- 7 Save the new database you created and exit the editor.
- 8 Re-invoke the editor and open the new database.

At this point, all imported records are present.